



PHOEBE GEORGE
09-Sep-1969 Female

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LAB ID : 3960009
UR NO. : 6249733
Collection Date : 18-Feb-2024
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3960009

INTEGRATIVE MEDICINE

| URINE, 6 HOUR | Result | Range | Units | |
|--------------------------|----------|---------------|-------|------------------------|
| INTESTINAL PERMEABILITY | | | | |
| Urine Volume, 6 hrs | 1500 | | mL | |
| Lactulose Recovery | 0.13 | 0.00 - 0.30 | % | <div><div></div></div> |
| Mannitol Recovery | 1.43 *L | 9.50 - 25.00 | % | <div><div></div></div> |
| Lactulose/Mannitol Ratio | 0.088 *H | 0.000 - 0.035 | RATIO | <div><div></div></div> |
| Int. Perm. Comment | | | | |

LOW MANNITOL LEVEL:
Result suggests intestinal malabsorption
Consider identifying and removing the causative agents Chemotherapy treatment, Exposure to food sensitivities/allergies, Hypochlorrhidria, Intestinal dysbiosis, Pancreatic insufficiency, Parasitic infection, sIgA deficiency

Replace: Supplement hydrochloride, digestive enzymes or other digestive aids
Reinoculate: Prebiotic and probiotic supplementation
Repair: Use nutraceutical agents that will help heal the intestinal lining and lower inflammation. e.g. L-glutamine, probiotics, aloe vera, glucosamine, zinc, slippery elm, omega 3, antioxidants.

HIGH LACTULOSE/MANNITOL RATIO:
Result suggests increased intestinal permeability (leaky gut). Interpret in conjunction with Lactulose Recovery result
Consider identifying and removing causative agents (Alcohol, Chemotherapy treatment, Exposure to allergenic foods, Gastroenteritis, Hypochlorrhidria, Intestinal dysbiosis, Maldigestion & malabsorption, Nonsteroidal anti-inflammatory drugs (NSAIDs), Pancreatic insufficiency, Pancreatitis, Parasitic infection, Sepsis, sIgA deficiency, Stress (corticotropin-releasing hormone), Trauma; burns, head injury.

Replace: Supplement hydrochloride, digestive enzymes or other digestive aids
Reinoculate: Prebiotic and probiotic supplementation
Repair: Use nutraceutical agents that will help heal the intestinal lining and lower inflammation. e.g. L-glutamine, aloe vera, zinc, slippery elm, omega 3, antioxidants

Follow-up Testing:
Perform a follow-up test 3 months after initiation of therapy to ensure adequate treatment/improvement.
Dietary sources of Mannitol during the test may give an increased level. Dietary sources include beetroot, onion, kelp, mushrooms, pumpkins, artificial sweeteners in chewing gum and confectionery.

Also assess IgG/IgA Food Antibody Panel to exclude possible food sensitivities.

Tests ordered: INTPERM